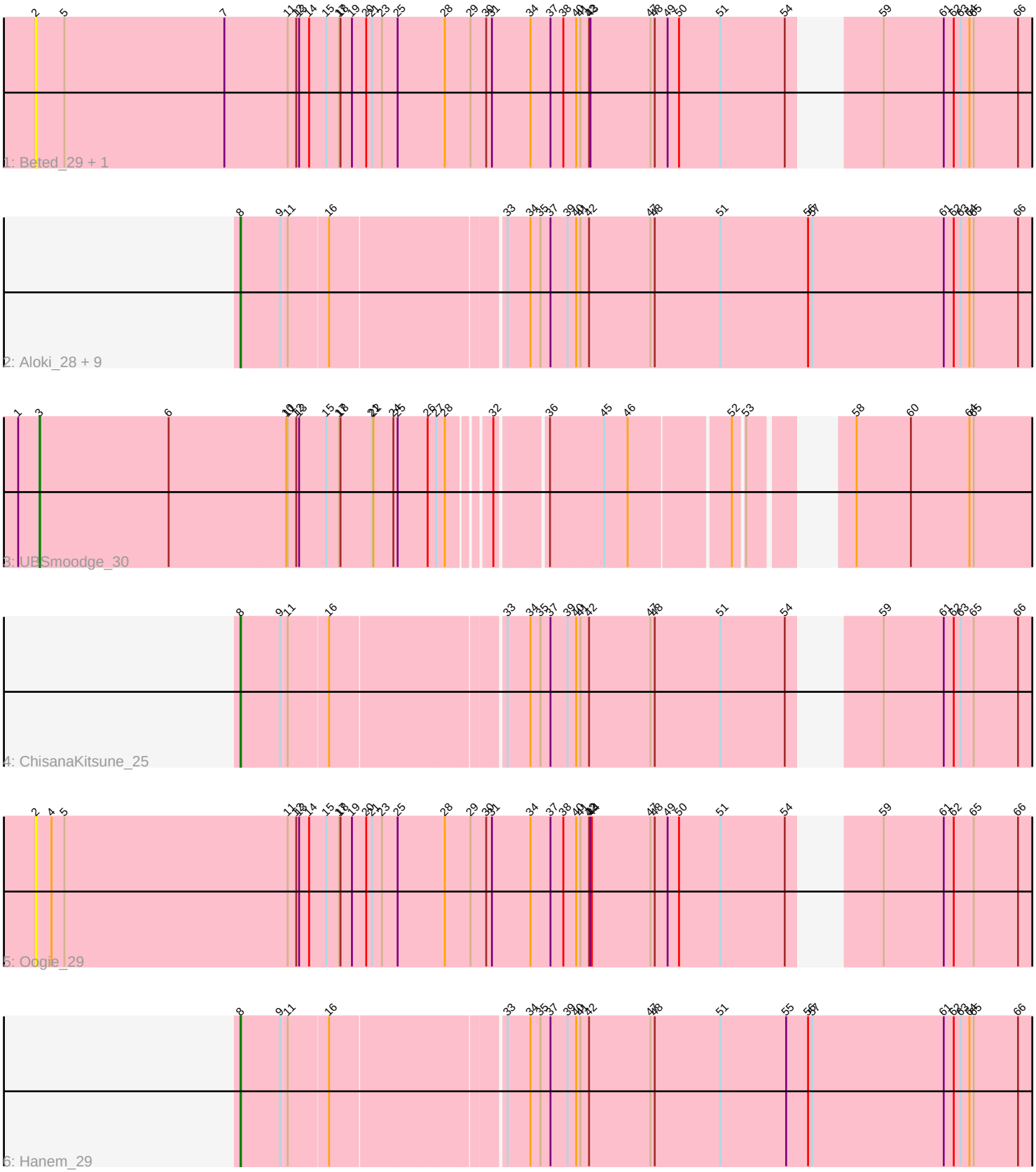
Pham 203402


1: Beted_29 + 1
2: Aloki_28 + 9
3: UESmoodge_30
4: ChisanaKitsune_25
5: Oogie_29
6: Hanem_29

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 203402 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203402 has 16 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Beted_29, Lenoshki_29
• Track 2 : Aloki_28, Chidiebere_29, Toneprano_28, Pakusa_28, EmoNemo_28, MintFritos_28, Gray_29, Kabocha_30, Twin_28, Schomber_28
• Track 3 : UBSmoodge_30
• Track 4 : ChisanaKitsune_25
• Track 5 : Oogie_29
• Track 6 : Hanem_29

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 8, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_28, Chidiebere_29, ChisanaKitsune_25, EmoNemo_28, Gray_29, Hanem_29, Kabocha_30, MintFritos_28, Pakusa_28, Schomber_28, Toneprano_28, Twin_28,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
• Beted_29, Lenoshki_29, Oogie_29, UBSmoodge_30,

Summary by start number:

Start 2:
• Found in 3 of 16 (18.8%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beted_29 (DQ), Lenoshki_29 (DQ), Oogie_29 (DQ),

Start 3:
• Found in 1 of 16 (6.2%) of genes in pham

• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: UBSmoodge_30 (DQ),

Start 8:
• Found in 12 of 16 (75.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_28 (DQ), Chidiebere_29 (DQ), ChisanaKitsune_25 (DQ), EmoNemo_28 (DQ), Gray_29 (DQ), Hanem_29 (DQ), Kabocha_30 (DQ), MintFritos_28 (DQ), Pakusa_28 (DQ), Schomber_28 (DQ), Toneprano_28 (DQ), Twin_28 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 3 was manually annotated 1 time for cluster DQ.
•Start number 8 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Aloki_28 Start: 17697, Stop: 19352, Start Num: 8
Candidate Starts for Aloki_28:
(Start: 8 @17697 has 6 MA's), (9, 17775), (11, 17787), (16, 17868), (33, 18204), (34, 18252), (35, 18273), (37, 18294), (39, 18330), (40, 18348), (41, 18357), (42, 18375), (47, 18504), (48, 18513), (51, 18651), (56, 18834), (57, 18843), (61, 19119), (62, 19140), (63, 19155), (64, 19173), (65, 19182), (66, 19275),

Gene: Beted_29 Start: 18993, Stop: 21029, Start Num: 2
Candidate Starts for Beted_29:
(2, 18993), (5, 19053), (7, 19389), (11, 19521), (12, 19539), (13, 19545), (14, 19566), (15, 19602), (17, 19629), (18, 19632), (19, 19656), (20, 19686), (21, 19698), (23, 19719), (25, 19752), (28, 19851), (29, 19905), (30, 19938), (31, 19950), (34, 20031), (37, 20073), (38, 20100), (40, 20127), (41, 20136), (42, 20154), (43, 20157), (47, 20283), (48, 20292), (49, 20319), (50, 20343), (51, 20430), (54, 20565), (59, 20670), (61, 20796), (62, 20817), (63, 20832), (64, 20850), (65, 20859), (66, 20952),

Gene: Chidiebere_29 Start: 17697, Stop: 19352, Start Num: 8
Candidate Starts for Chidiebere_29:
(Start: 8 @17697 has 6 MA's), (9, 17775), (11, 17787), (16, 17868), (33, 18204), (34, 18252), (35, 18273), (37, 18294), (39, 18330), (40, 18348), (41, 18357), (42, 18375), (47, 18504), (48, 18513), (51, 18651), (56, 18834), (57, 18843), (61, 19119), (62, 19140), (63, 19155), (64, 19173), (65, 19182), (66, 19275),

Gene: ChisanaKitsune_25 Start: 16362, Stop: 17915, Start Num: 8
Candidate Starts for ChisanaKitsune_25:
(Start: 8 @16362 has 6 MA's), (9, 16440), (11, 16452), (16, 16533), (33, 16869), (34, 16917), (35, 16938), (37, 16959), (39, 16995), (40, 17013), (41, 17022), (42, 17040), (47, 17169), (48, 17178), (51, 17316), (54, 17451), (59, 17556), (61, 17682), (62, 17703), (63, 17718), (65, 17745), (66, 17838),

Gene: EmoNemo_28 Start: 17697, Stop: 19352, Start Num: 8
Candidate Starts for EmoNemo_28:
(Start: 8 @17697 has 6 MA's), (9, 17775), (11, 17787), (16, 17868), (33, 18204), (34, 18252), (35, 18273), (37, 18294), (39, 18330), (40, 18348), (41, 18357), (42, 18375), (47, 18504), (48, 18513), (51, 18651), (56, 18834), (57, 18843), (61, 19119), (62, 19140), (63, 19155), (64, 19173), (65, 19182), (66, 19275),

Gene: Gray_29 Start: 17697, Stop: 19352, Start Num: 8
Candidate Starts for Gray_29:
(Start: 8 @17697 has 6 MA's), (9, 17775), (11, 17787), (16, 17868), (33, 18204), (34, 18252), (35, 18273), (37, 18294), (39, 18330), (40, 18348), (41, 18357), (42, 18375), (47, 18504), (48, 18513), (51, 18651), (56, 18834), (57, 18843), (61, 19119), (62, 19140), (63, 19155), (64, 19173), (65, 19182), (66, 19275),

Gene: Hanem_29 Start: 17697, Stop: 19352, Start Num: 8
Candidate Starts for Hanem_29:
(Start: 8 @17697 has 6 MA's), (9, 17775), (11, 17787), (16, 17868), (33, 18204), (34, 18252), (35, 18273), (37, 18294), (39, 18330), (40, 18348), (41, 18357), (42, 18375), (47, 18504), (48, 18513), (51, 18651), (55, 18789), (56, 18834), (57, 18843), (61, 19119), (62, 19140), (63, 19155), (64, 19173), (65, 19182), (66, 19275),

Gene: Kabocha_30 Start: 18510, Stop: 20165, Start Num: 8
Candidate Starts for Kabocha_30:
(Start: 8 @18510 has 6 MA's), (9, 18588), (11, 18600), (16, 18681), (33, 19017), (34, 19065), (35, 19086), (37, 19107), (39, 19143), (40, 19161), (41, 19170), (42, 19188), (47, 19317), (48, 19326), (51, 19464), (56, 19647), (57, 19656), (61, 19932), (62, 19953), (63, 19968), (64, 19986), (65, 19995), (66, 20088),

Gene: Lenoshki_29 Start: 18993, Stop: 21029, Start Num: 2
Candidate Starts for Lenoshki_29:
(2, 18993), (5, 19053), (7, 19389), (11, 19521), (12, 19539), (13, 19545), (14, 19566), (15, 19602), (17, 19629), (18, 19632), (19, 19656), (20, 19686), (21, 19698), (23, 19719), (25, 19752), (28, 19851), (29, 19905), (30, 19938), (31, 19950), (34, 20031), (37, 20073), (38, 20100), (40, 20127), (41, 20136), (42, 20154), (43, 20157), (47, 20283), (48, 20292), (49, 20319), (50, 20343), (51, 20430), (54, 20565), (59, 20670), (61, 20796), (62, 20817), (63, 20832), (64, 20850), (65, 20859), (66, 20952),

Gene: MintFritos_28 Start: 17697, Stop: 19352, Start Num: 8
Candidate Starts for MintFritos_28:
(Start: 8 @17697 has 6 MA's), (9, 17775), (11, 17787), (16, 17868), (33, 18204), (34, 18252), (35, 18273), (37, 18294), (39, 18330), (40, 18348), (41, 18357), (42, 18375), (47, 18504), (48, 18513), (51, 18651), (56, 18834), (57, 18843), (61, 19119), (62, 19140), (63, 19155), (64, 19173), (65, 19182), (66, 19275),

Gene: Oogie_29 Start: 19019, Stop: 21055, Start Num: 2
Candidate Starts for Oogie_29:
(2, 19019), (4, 19052), (5, 19079), (11, 19547), (12, 19565), (13, 19571), (14, 19592), (15, 19628), (17, 19655), (18, 19658), (19, 19682), (20, 19712), (21, 19724), (23, 19745), (25, 19778), (28, 19877), (29, 19931), (30, 19964), (31, 19976), (34, 20057), (37, 20099), (38, 20126), (40, 20153), (41, 20162), (42, 20180), (43, 20183), (44, 20186), (47, 20309), (48, 20318), (49, 20345), (50, 20369), (51, 20456), (54, 20591), (59, 20696), (61, 20822), (62, 20843), (65, 20885), (66, 20978),

Gene: Pakusa_28 Start: 17439, Stop: 19094, Start Num: 8
Candidate Starts for Pakusa_28:

(Start: 8 @17439 has 6 MA's), (9, 17517), (11, 17529), (16, 17610), (33, 17946), (34, 17994), (35, 18015), (37, 18036), (39, 18072), (40, 18090), (41, 18099), (42, 18117), (47, 18246), (48, 18255), (51, 18393), (56, 18576), (57, 18585), (61, 18861), (62, 18882), (63, 18897), (64, 18915), (65, 18924), (66, 19017),

Gene: Schomber_28 Start: 17447, Stop: 19102, Start Num: 8
Candidate Starts for Schomber_28:
(Start: 8 @17447 has 6 MA's), (9, 17525), (11, 17537), (16, 17618), (33, 17954), (34, 18002), (35, 18023), (37, 18044), (39, 18080), (40, 18098), (41, 18107), (42, 18125), (47, 18254), (48, 18263), (51, 18401), (56, 18584), (57, 18593), (61, 18869), (62, 18890), (63, 18905), (64, 18923), (65, 18932), (66, 19025),

Gene: Toneprano_28 Start: 17697, Stop: 19352, Start Num: 8
Candidate Starts for Toneprano_28:
(Start: 8 @17697 has 6 MA's), (9, 17775), (11, 17787), (16, 17868), (33, 18204), (34, 18252), (35, 18273), (37, 18294), (39, 18330), (40, 18348), (41, 18357), (42, 18375), (47, 18504), (48, 18513), (51, 18651), (56, 18834), (57, 18843), (61, 19119), (62, 19140), (63, 19155), (64, 19173), (65, 19182), (66, 19275),

Gene: Twin_28 Start: 17697, Stop: 19352, Start Num: 8
Candidate Starts for Twin_28:
(Start: 8 @17697 has 6 MA's), (9, 17775), (11, 17787), (16, 17868), (33, 18204), (34, 18252), (35, 18273), (37, 18294), (39, 18330), (40, 18348), (41, 18357), (42, 18375), (47, 18504), (48, 18513), (51, 18651), (56, 18834), (57, 18843), (61, 19119), (62, 19140), (63, 19155), (64, 19173), (65, 19182), (66, 19275),

Gene: UBSmoodge_30 Start: 19255, Stop: 21171, Start Num: 3
Candidate Starts for UBSmoodge_30:
(1, 19210), (Start: 3 @19255 has 1 MA's), (6, 19525), (10, 19771), (11, 19774), (12, 19792), (13, 19798), (15, 19855), (17, 19882), (18, 19885), (21, 19951), (22, 19954), (24, 19996), (25, 20005), (26, 20068), (27, 20086), (28, 20104), (32, 20176), (36, 20266), (45, 20377), (46, 20422), (52, 20614), (53, 20632), (58, 20755), (60, 20869), (64, 20992), (65, 21001),